

Figure 1 shows a beam element with nodes 1 and 2. The beam is divided into four segments with lengths 5976, 6059, 7398, and 9620. The total length is 12047. The beam is subjected to a uniformly distributed load of -12014 over the first segment, a point load of -6038 at the end of the first segment, a point load of -5155 at the end of the second segment, a point load of -3387 at the end of the third segment, and a point load of -2394 at the end of the fourth segment. The beam is supported by a fixed support at node 1 and a roller support at node 2. The reaction at node 2 is +33.

FIGURE 1

HKLK2.LA0	(6998)	AA-CTGAGCCTTGATTATTTG-GAGCTTGGTTGCA-CAG-ACATGTCTGA :: :
PSE	(509)	AATCT-AG-C-TGA-TATAGTGTG-GCTCAAAACCTTCAGCACAAATC-A
HKLK2.LA0	(7044)	CCACCTTCATGGCTGAACTTTAGTACTTAGCCCCTCCAGACGTCTACAGC :
PSE	(553)	-CACCGTTA-GACT--A-TCTGGT--GT-G--GC-CCAAAC--CTTCAGG
HKLK2.LA0	(7094)	TGATAGGCTGTAACCCAACAT-TGTCACCATAAATCACATTGTTAGACTA :
PSE	(590)	TGA-ACAAAGGGACTCTA-ATCTGGCAGGAT-ATTC-CA----AAG-C-A
HKLK2.LA0	(7143)	TCCAGTG-TGGCC-CAAGCTCCCGTGTAACACAGGCACTCTAAACAG-- :
PSE	(630)	T-TAGAGATGACCTCTTGC-AAAG-AAAAAGAAATGGAAAAGAAAAAGAA
HKLK2.LA0	(7189)	-G-CAGGATATTTCAAAGCTT-AGAGATGACCTCCAGGAGCTGAATGC :
PSE	(677)	AGAAAGGAAAAAAAAAAAAAAAAAGAGATGACCTCTCAGGCTCTGAGGGG
HKLK2.LA0	(7236)	AAA-GACCTGGCCTCTTTGGGCAAGGAGAATCCTTTACCGCACACTCTCC :
PSE	(727)	AAACG-CCTGAGGTCTTTGAGCAAGGTCAGTCCTCTGTTGCACAGTCTCC
HKLK2.LA0	(7285)	TTCACAGGGTTATTGTGAGGATCAAATGTGGTCATGTGTGTGAGACACCA :
PSE	(776)	CTCACAGGGTCATTGTGACGATCAAATGTGGTCACGTGTATGAGGCACCA :
HKLK2.LA0	(7335)	GCACATGTCTGGCTGTGGAGAGTGACTIONCTA--TGTGTGCTAACATTGCT :
PSE	(826)	GCACATGCCTGGCTCTGGGGAGTGCCGTGTAAGTGTATGCTTGCACTGCT :
HKLK2.LA0	(7383)	GAGTGCTAAGAAAGTATTAGGCATGGCT-TTCAGCACTCACAGATGCTCA :
PSE	(876)	GAATGCTTGGGATGTGTGTCAGGGAT-TATCTTCAGCACTTACAGATGCTCA :

FIGURE 2A

HKLK2.LA0	(7432)	TCTAATCCTCACAACATGGCTACAGGG-TGGGCACTACTAGCCTCATTG
PSE	(925)	TCTCATCCTCACAGCATCACTA-TGGGATGGGTATTACTGGCCTCATTG
HKLK2.LA0	(7481)	ACAGAGGAAAG-GACTGTGGATAAGAAGGGGGTGACCAATAGGTCAGAGT
PSE	(974)	ATGGA-GAAAGTGGCTGTGGCTCAGAAAGGGGGGACCACTAGACCAGGGA
HKLK2.LA0	(7530)	CATTCTGGATGCAAGGGG-CTCCAGAGGACCATGATTAGACATTGTCTGC
PSE	(1023)	CACTCTGGATGC-TGGGGACTCCAGA-GACCATGACCACTACCAACTGC
HKLK2.LA0	(7579)	AGAGAAATT----ATGG-CTGGATGTCTCTGCCCCGAAAGGG-GGA--T
PSE	(1071)	AGAGAAATTAATTGTGGCCT-GATGTCCCTGTCTTGAGAGGGGTGGAGGT
HKLK2.LA0	(7621)	GCACTTTCCTTGACCCCTATCTCAGATCTTGACTTTGAG-GTTATCTCA
PSE	(1120)	GGACCTTCACTAACCTCCTACCT-TGACCCTCTCTTTTAGGGCTCTTTCT
HKLK2.LA0	(7670)	GACTTCCTCTATGATACCAGGAGCCCATCATAATCTCTCTGTGTCTCTCTC
PSE	(1169)	GACCTCCACCATGGTACTAGGA-CCC--CATTGTAT-TCTGT-ACC-CT-
HKLK2.LA0	(7720)	CCCTTCCTCAGTCTTACTG-CCCACTCTTCCCAGCTCCATCTCCAGCTGG
PSE	(1212)	--C-T--TGA CTC-TA-TGACCCCACTGCCCA-CTGCA--TCCAGCT--
HKLK2.LA0	(7769)	CCAGGTGTAGCCACAGTACCTAACTCT-TTGCAGAGAACTATAAATGTGT
PSE	(1250)	---GG-GT--CC-C-CT-CCTATCTCTATT-CCCAG--CTGGCCA-GTGC
HKLK2.LA0	(7818)	A-TCCTACAGGGGAGAAAAAAA-AAAAG-AACTCTGAAAGAGCTGACATT
PSE	(1287)	AGT-CT-CAGTGCCACCTGTTTGTGAGTAAGTCTGAAGGGGCTGACATT
HKLK2.LA0	(7865)	TTACCGACTTGCAAACACATAAGCTAACCTGCCAG--TTTTGT---GCT
PSE	(1335)	TTACTGACTTGCAAACAAATAAGCTAACTTTCCAGAGTTTTGTGAATGCT
HKLK2.LA0	(7909)	GGTAGAACT-CATGAGACTCCTGGGTCAGAGGCCAAAAGATTTTATTACCC
PSE	(1385)	GGCAG-AGTCCATGAGACTCCTGAGTCAGAGGCCAAAGGCTTTTACTGCTC

FIGURE 2B

HKLK2.LA0	(8488)	--GTCTACCACATCTGGCTTCACCGTGCCTAACCAAGATTTCTAGGTCCA
PSE	(1972)	TCTTCTATCACATCCTGCTTCTTTATGCCTAACCAAG-GTTCTAGGTCCC
HKLK2.LA0	(8536)	GTTCCCCACCATGTTTGGCAGTGCCCCACTGCCAACCCAGATAAGGGA
PSE	(2021)	GAT--CGACTG1GTCTGGCAGCACTCCACTGCCAACCCAGATAAGGCA
HKLK2.LA0	(8586)	GTGCTCAGAATTCCGA
PSE	(2069)	GCGCTCAGGATCCCGA

FIGURE 2D

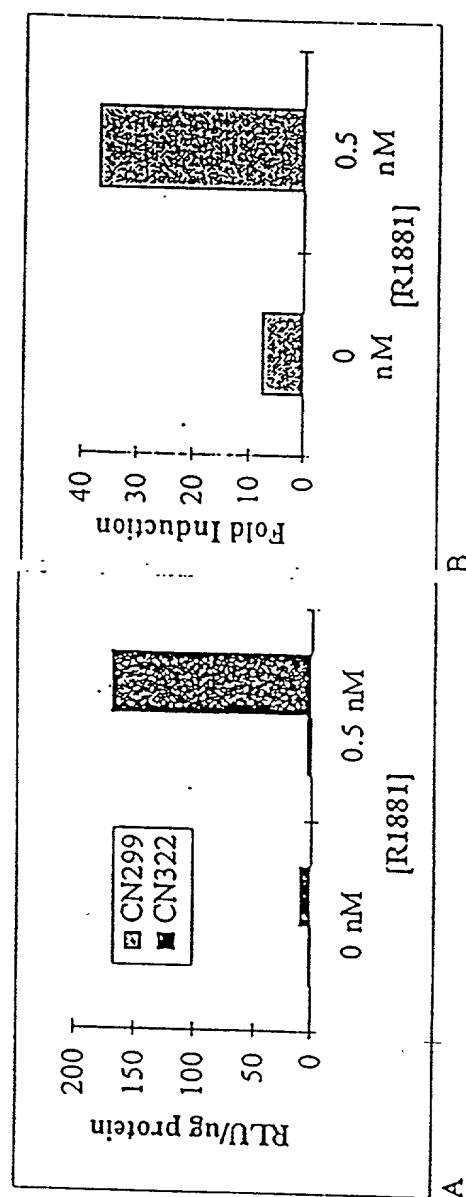


FIGURE 3

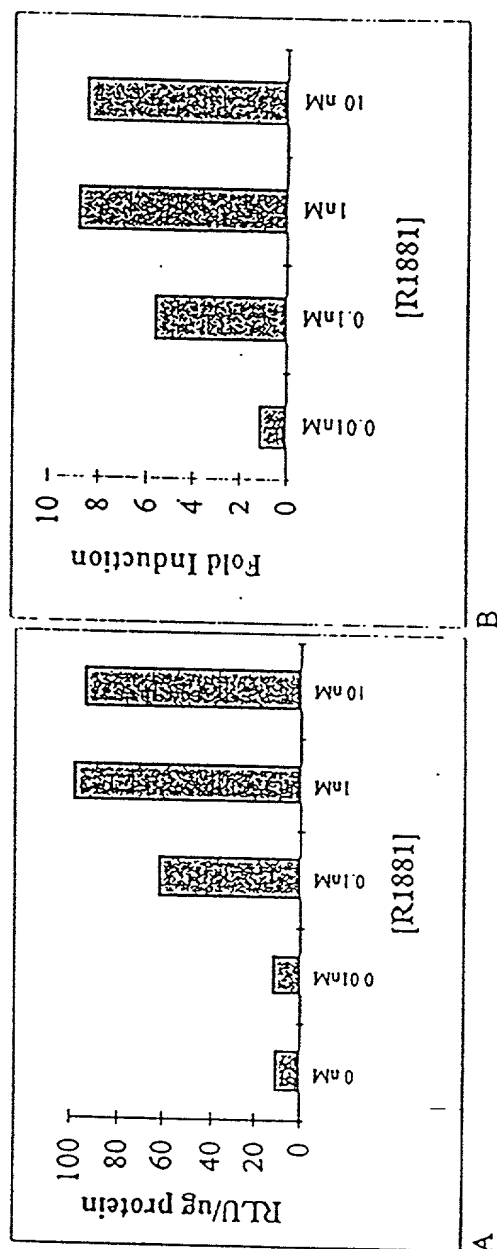


FIGURE 4

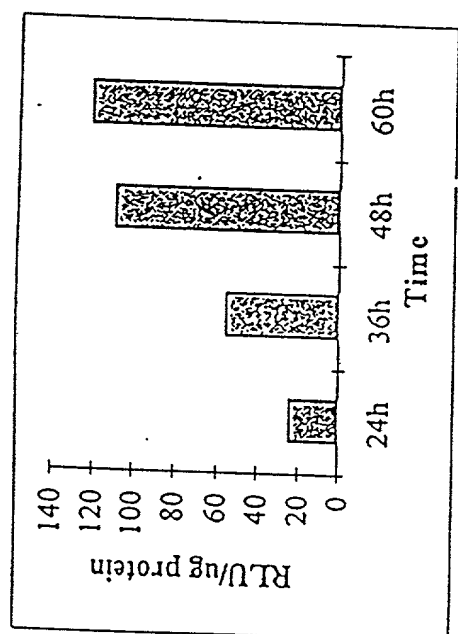


FIGURE 5

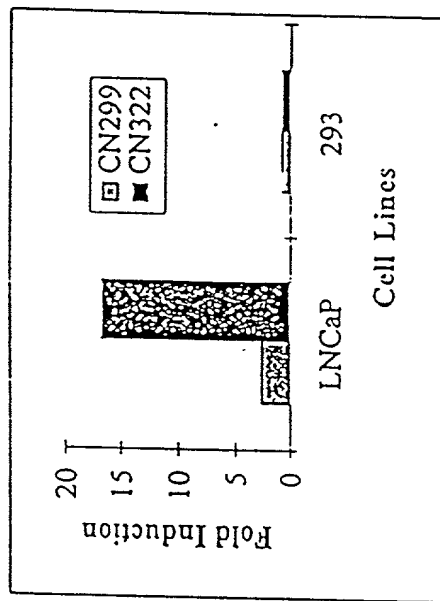


FIGURE 6

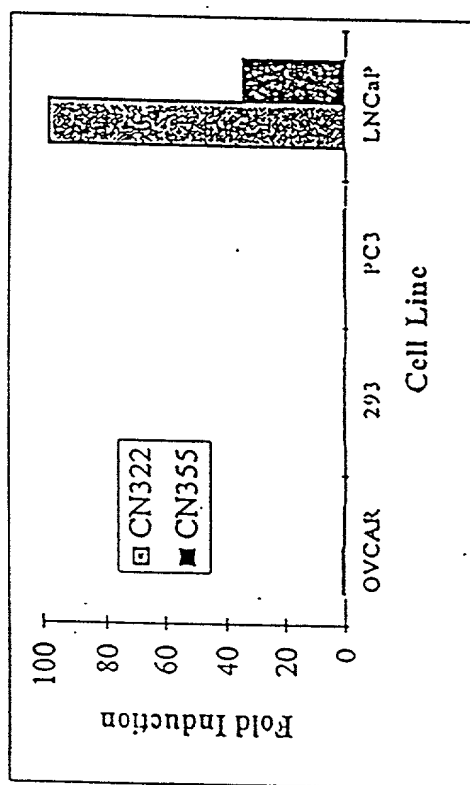


FIGURE 7

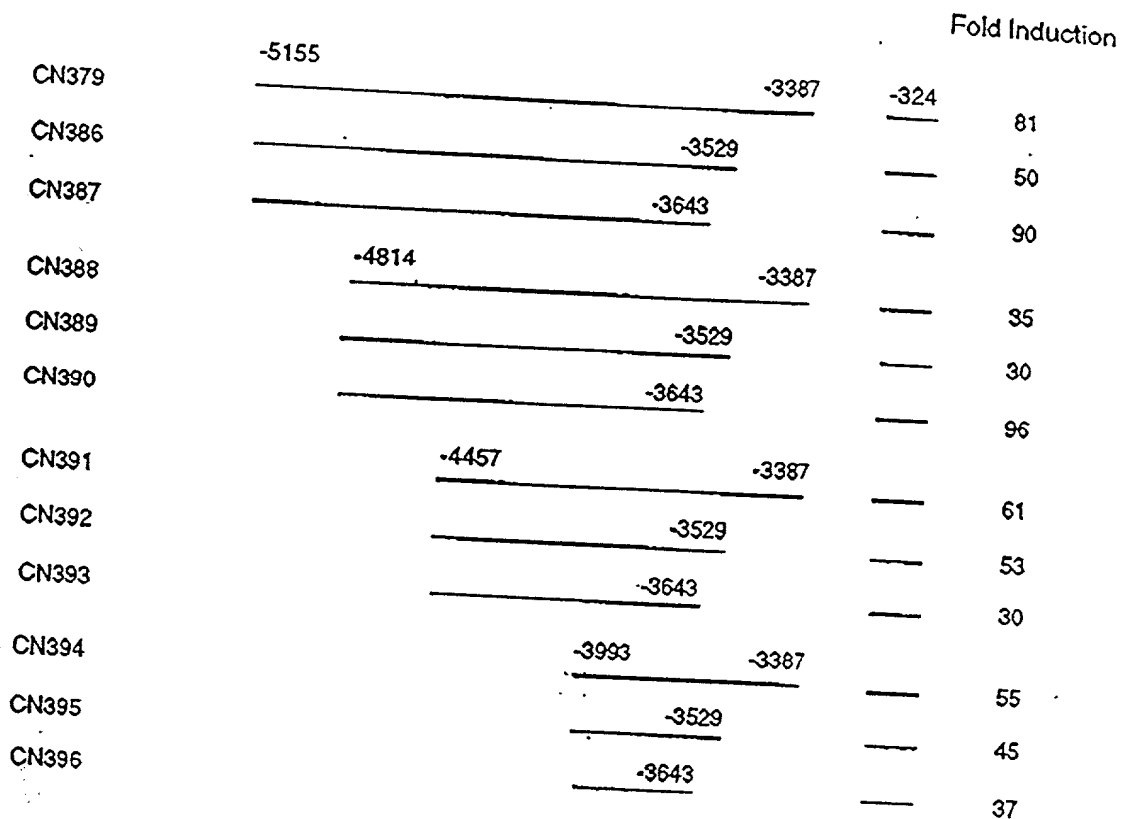


FIGURE 8

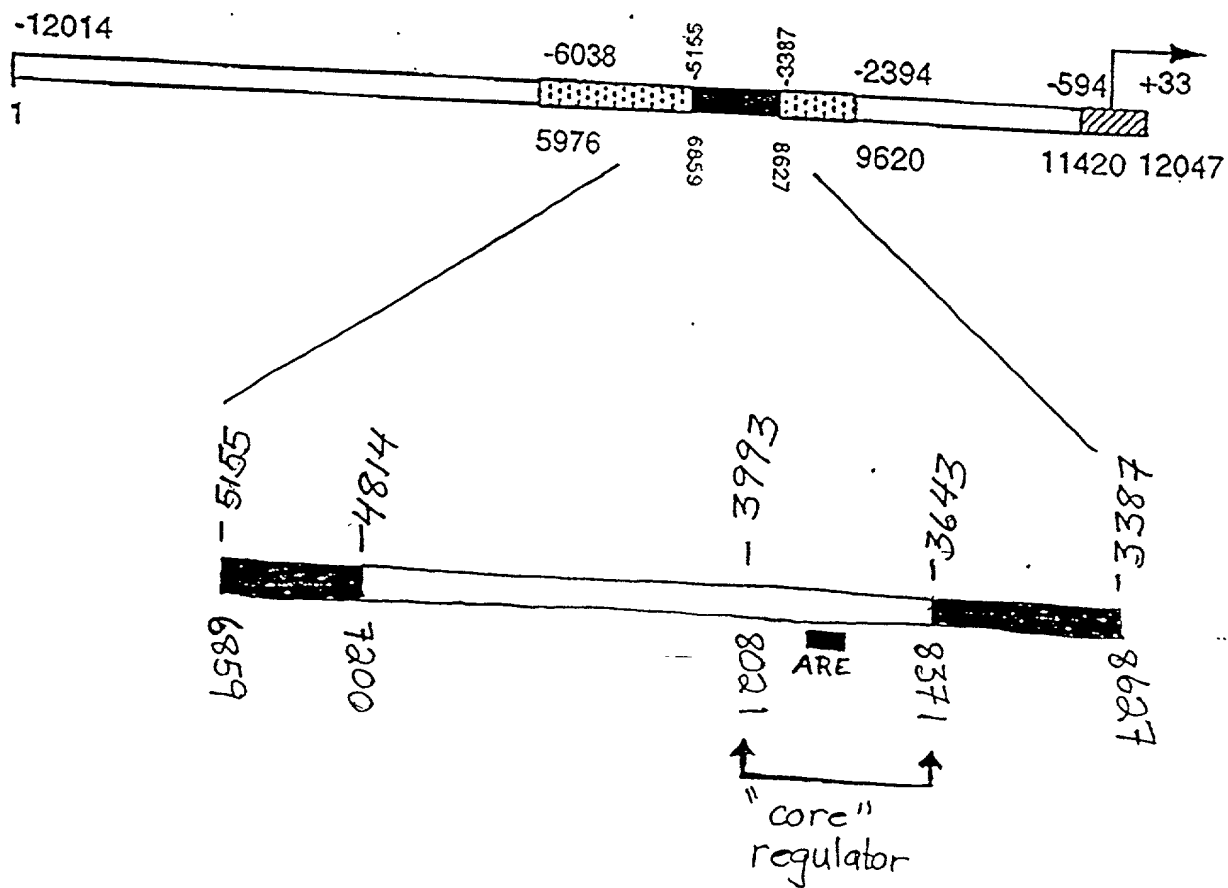
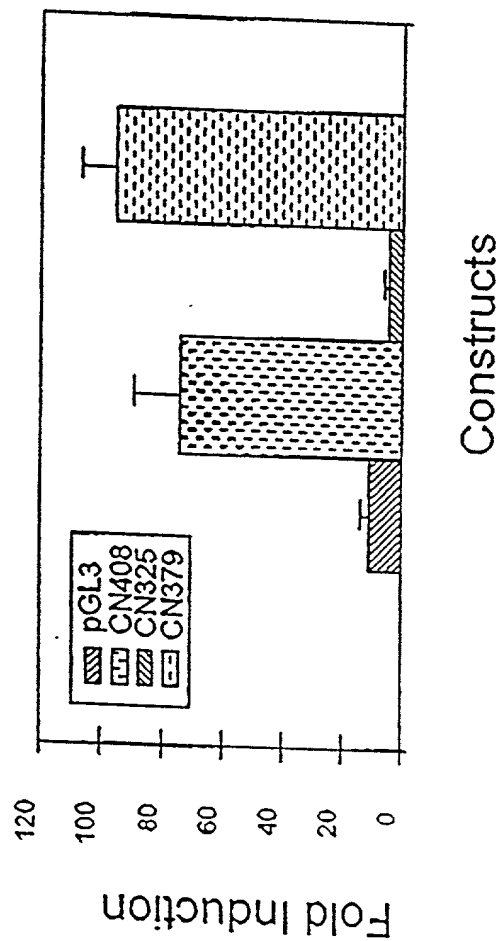


FIGURE 9

A



B

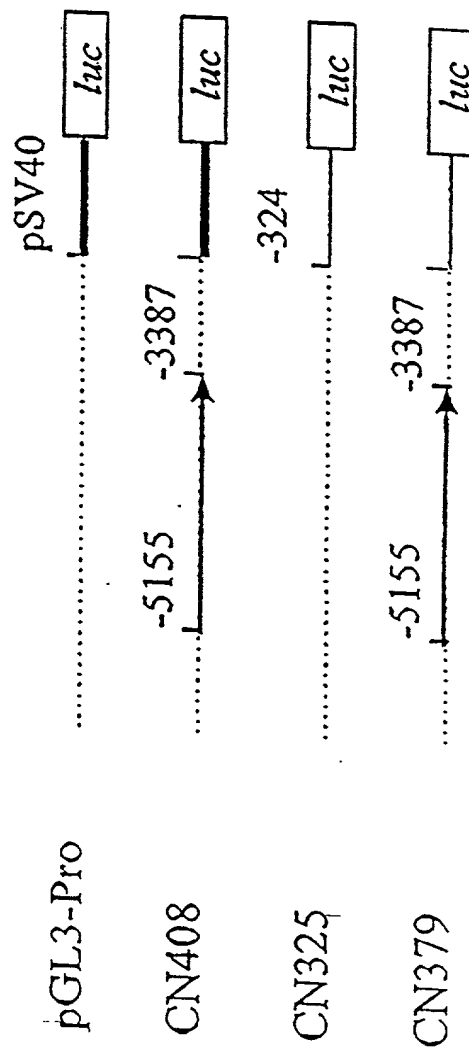


FIGURE 10

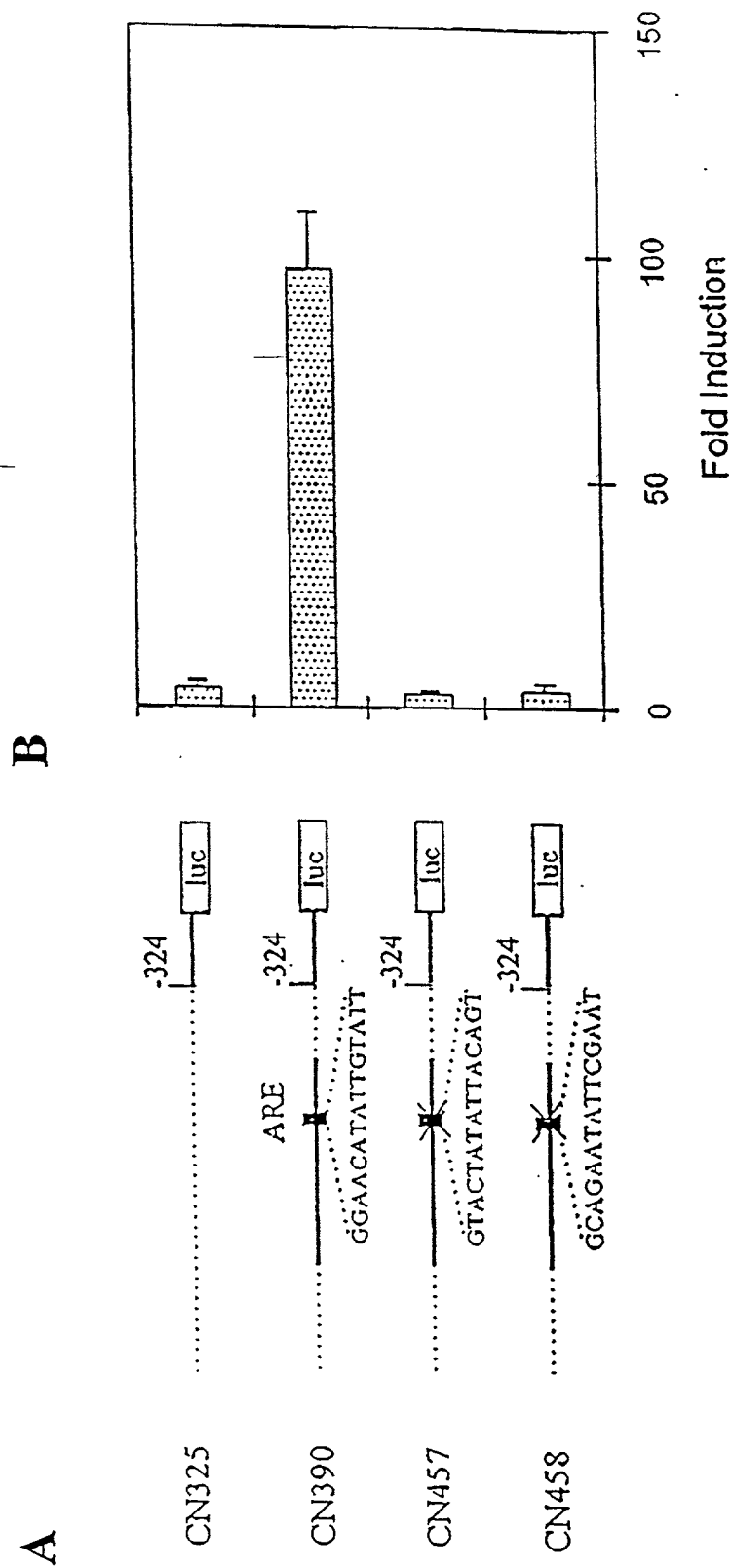


FIGURE 11

Fold Induction

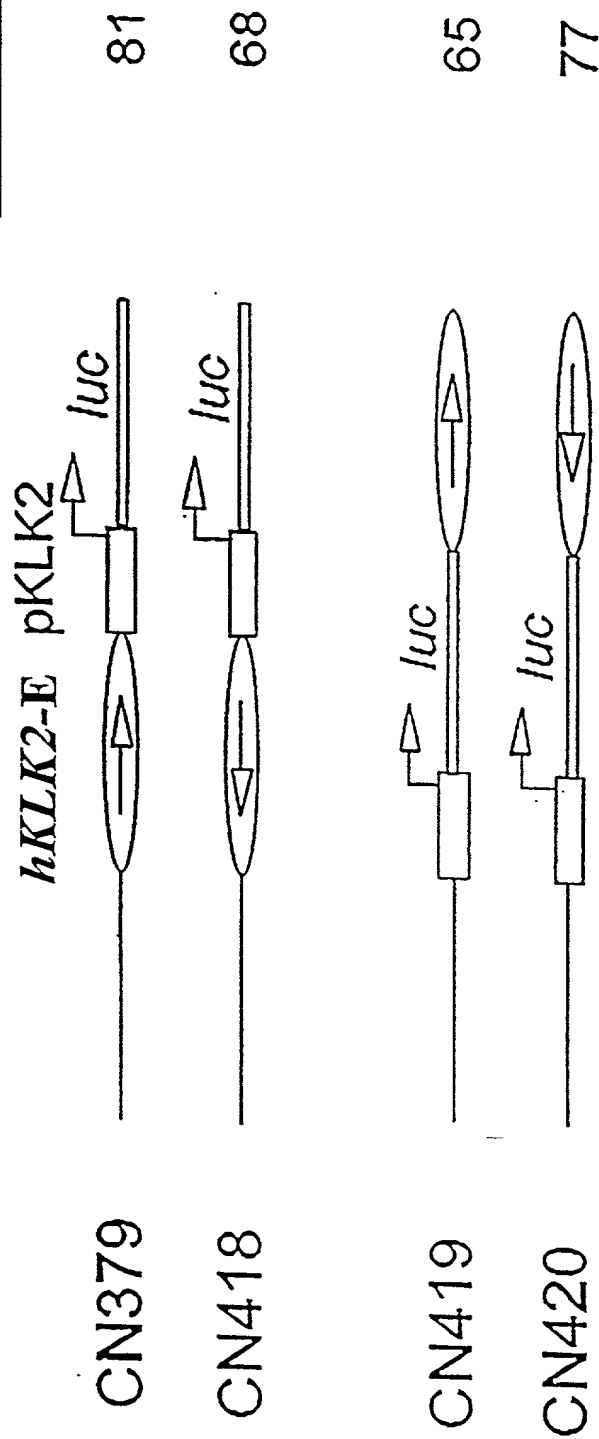


FIGURE 12

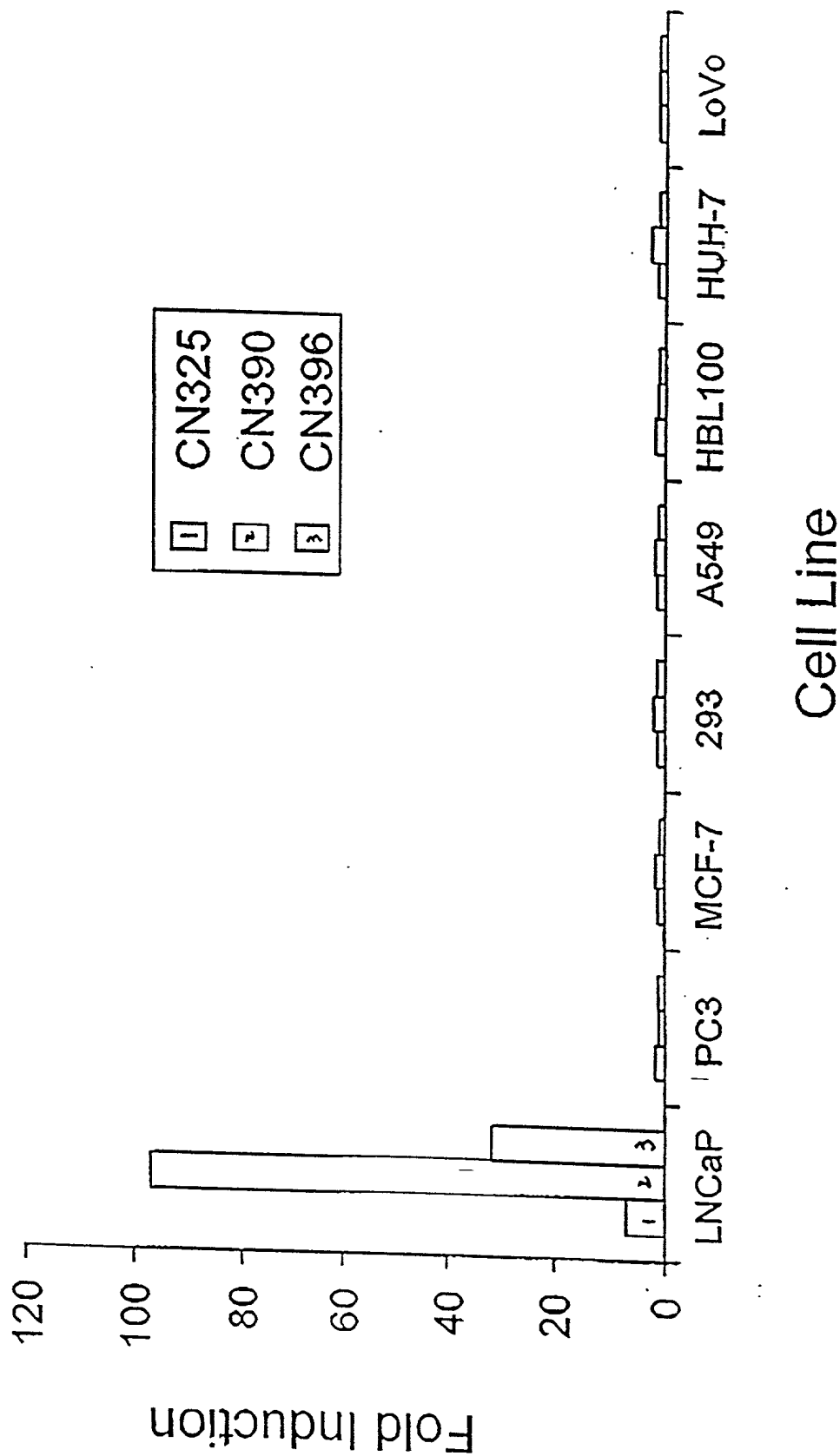


FIGURE 13

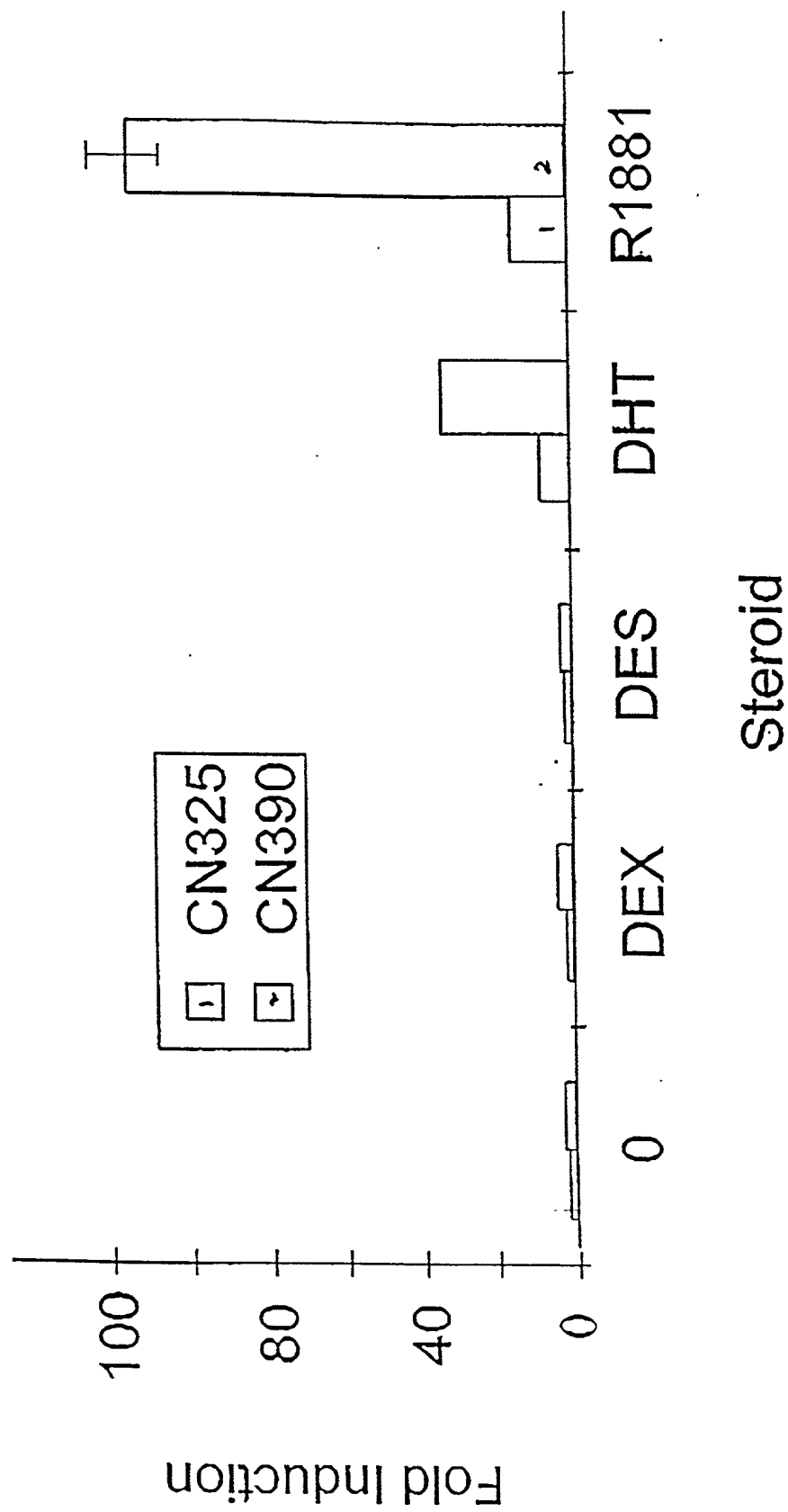


FIGURE 14

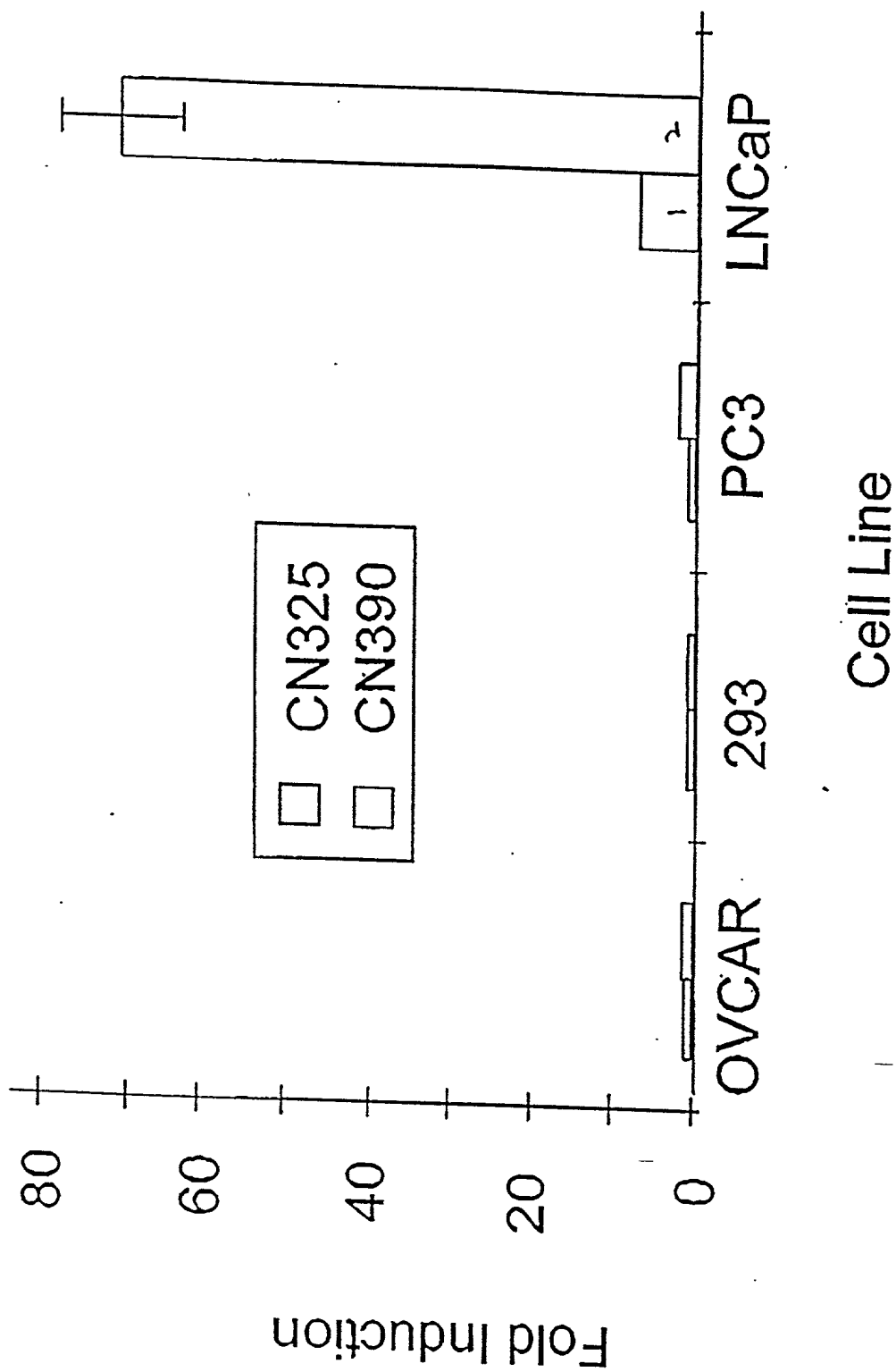


FIGURE 15

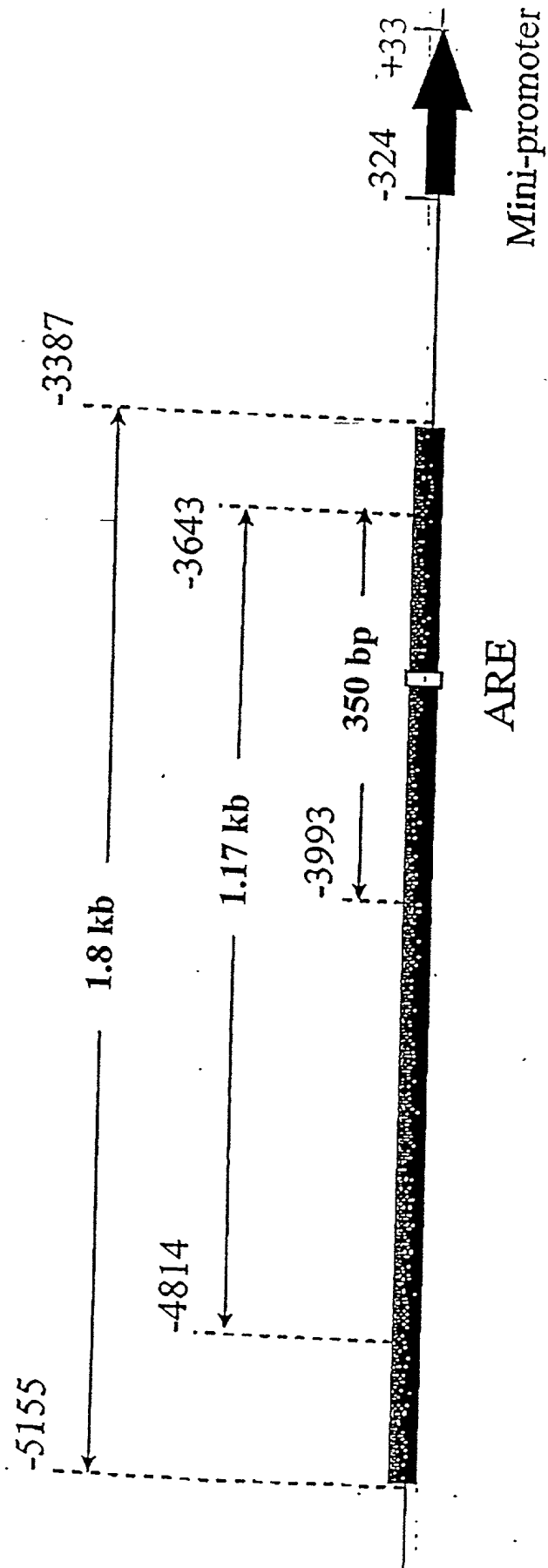


FIGURE 16

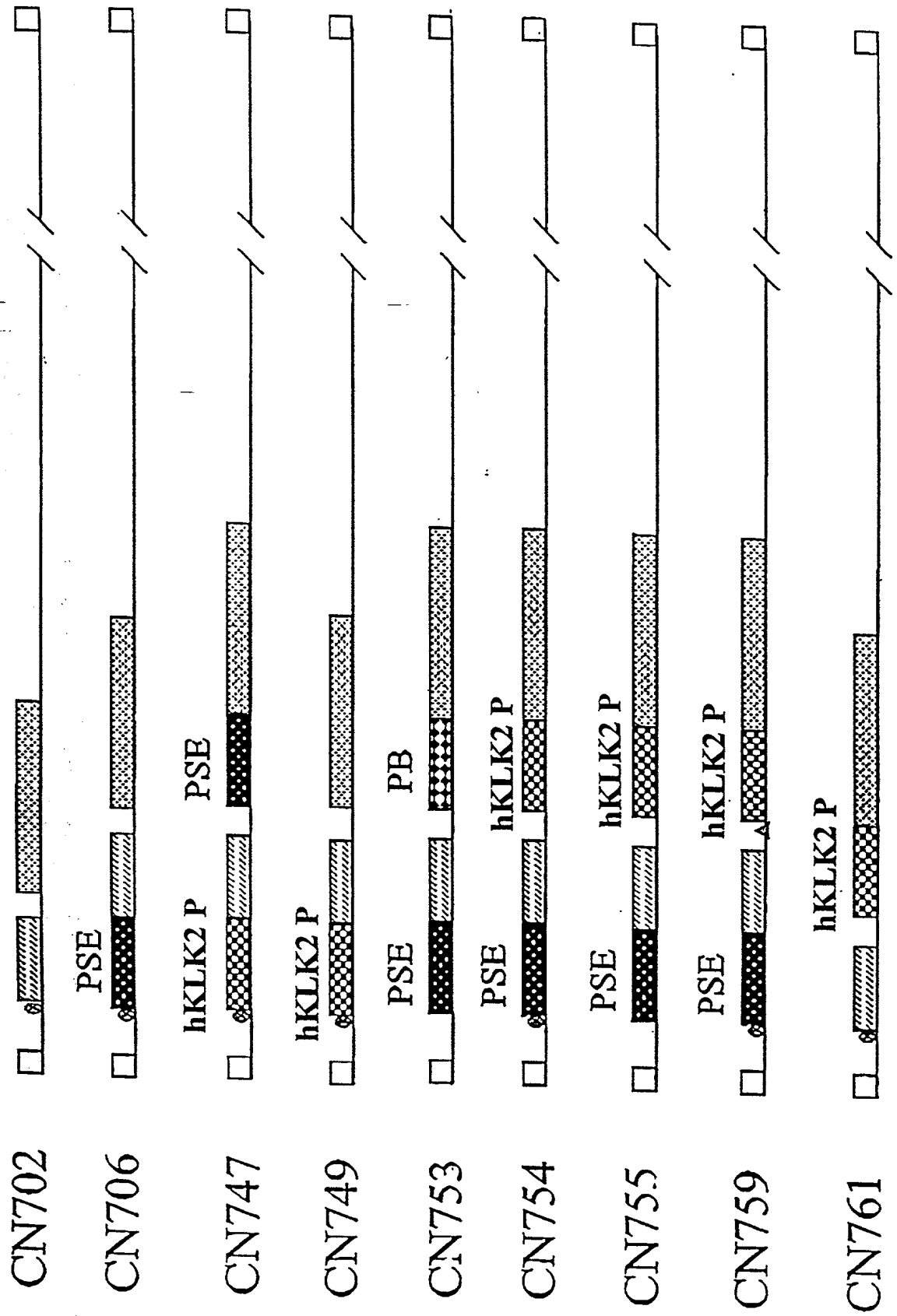


FIGURE 17A

hKLK2 T09090-3254860

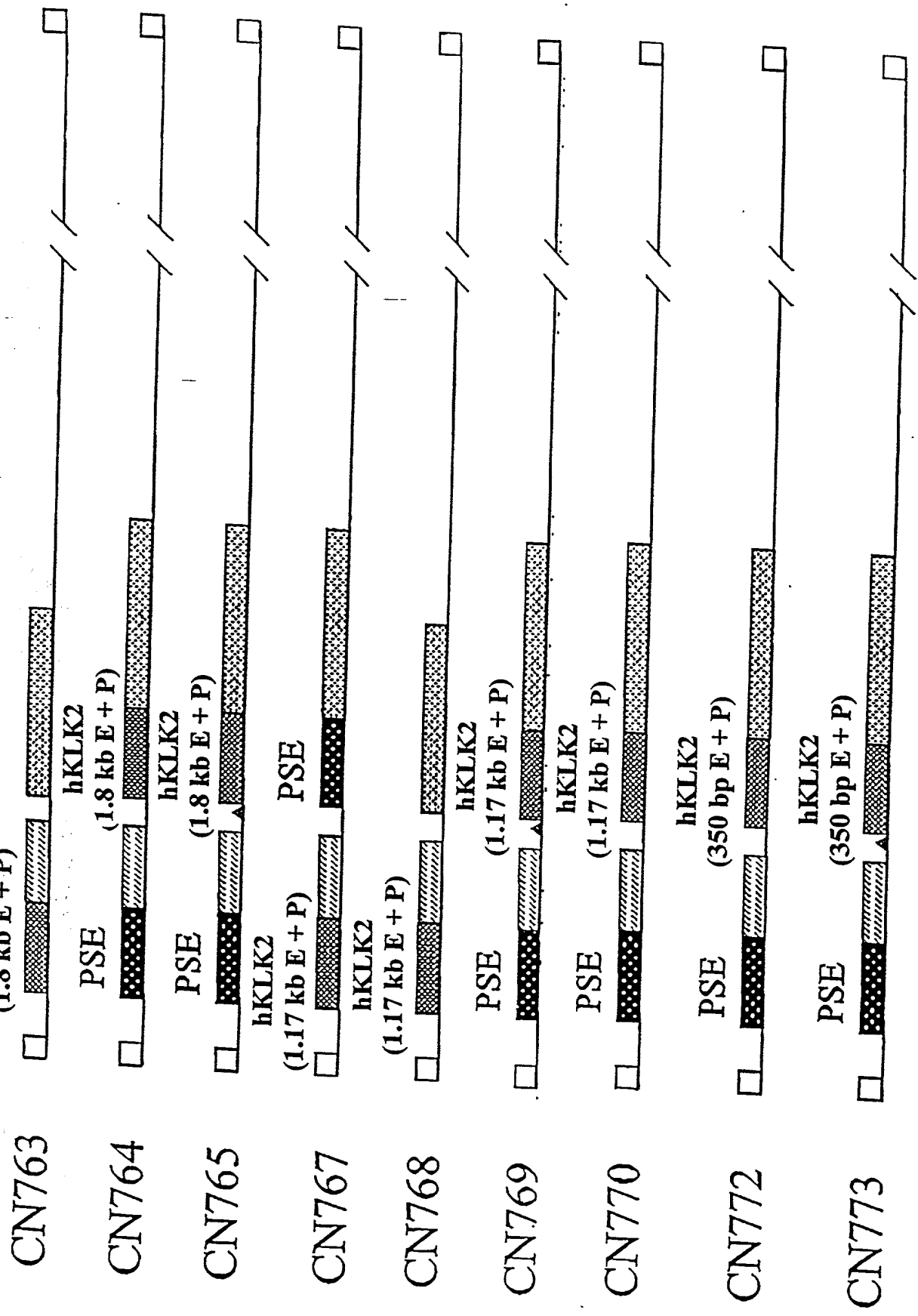


FIGURE 17B

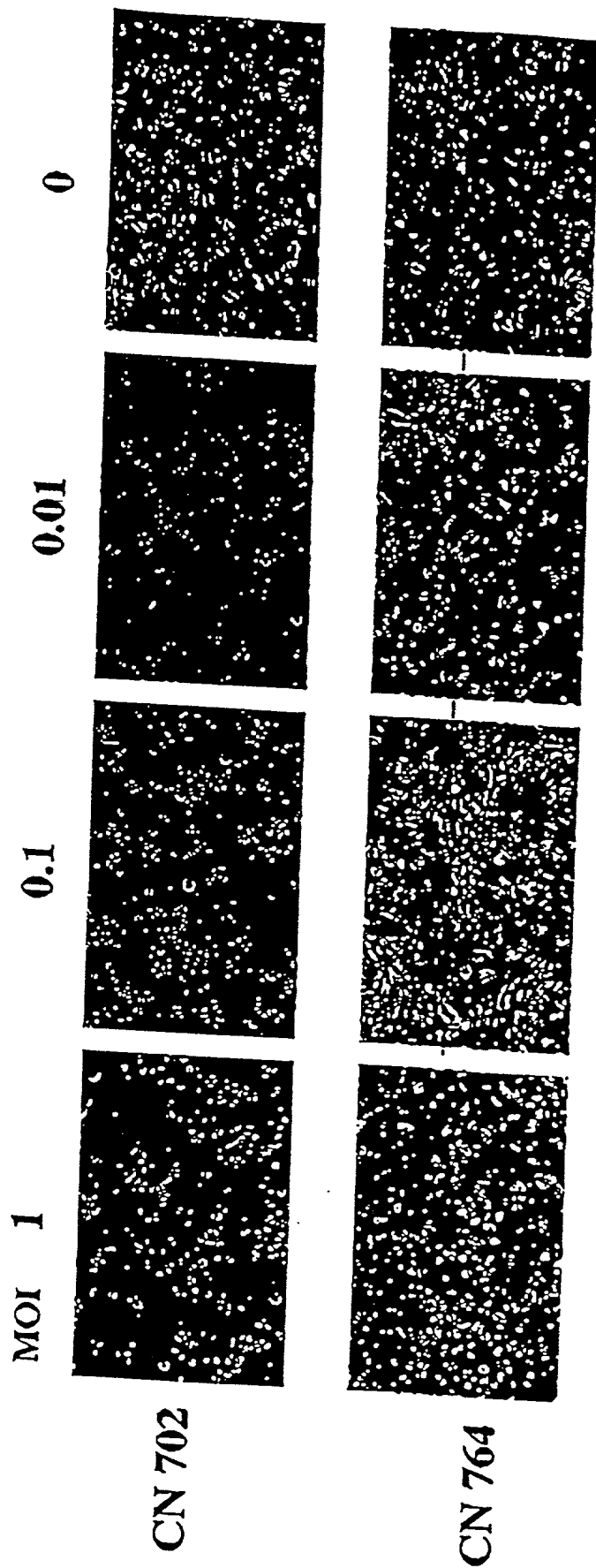


FIGURE 18

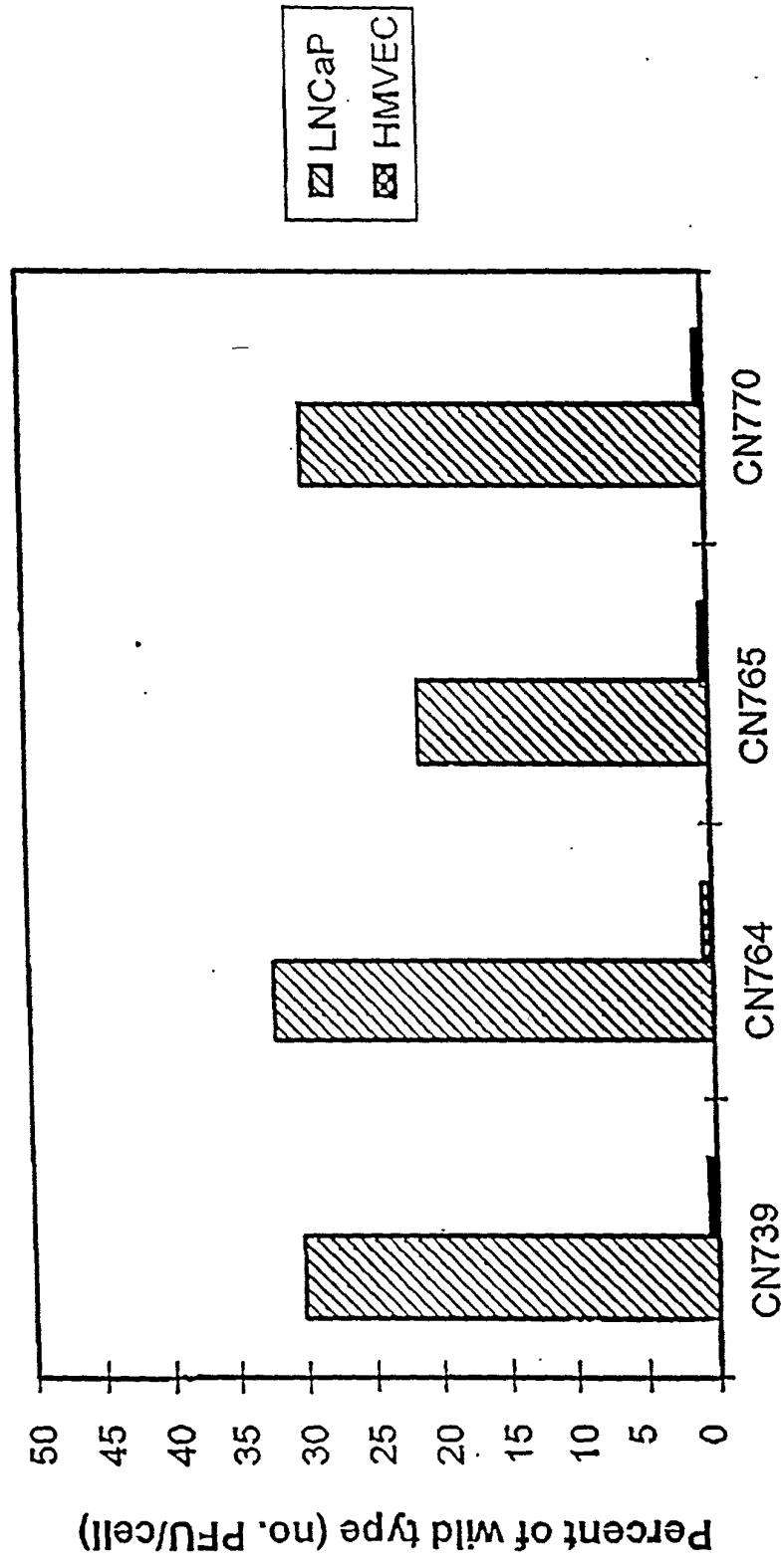


FIGURE 19

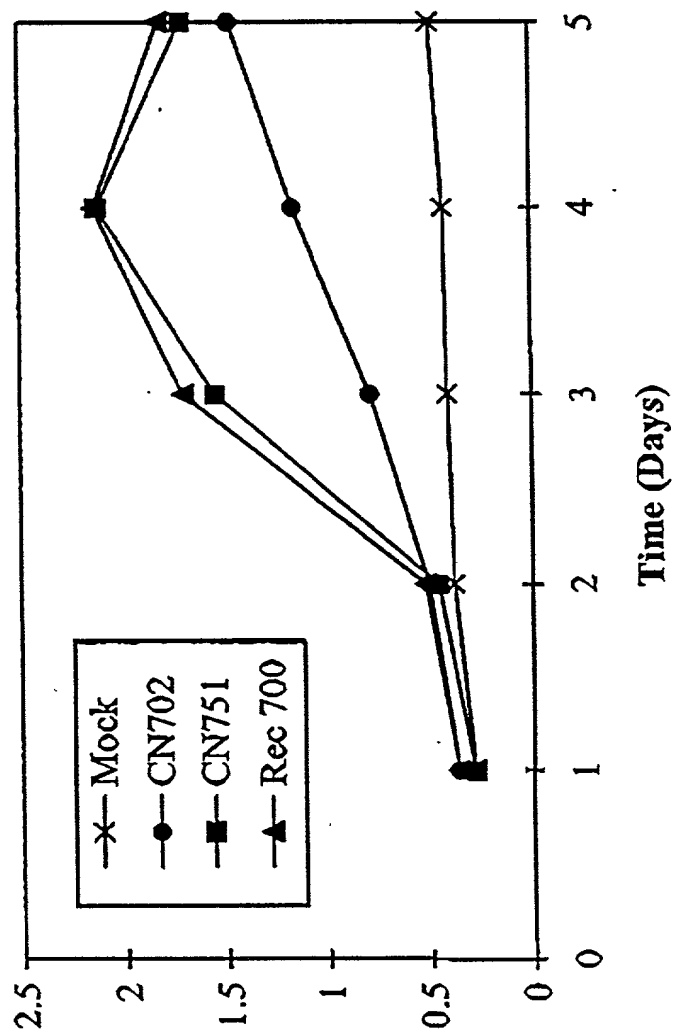


FIGURE 20

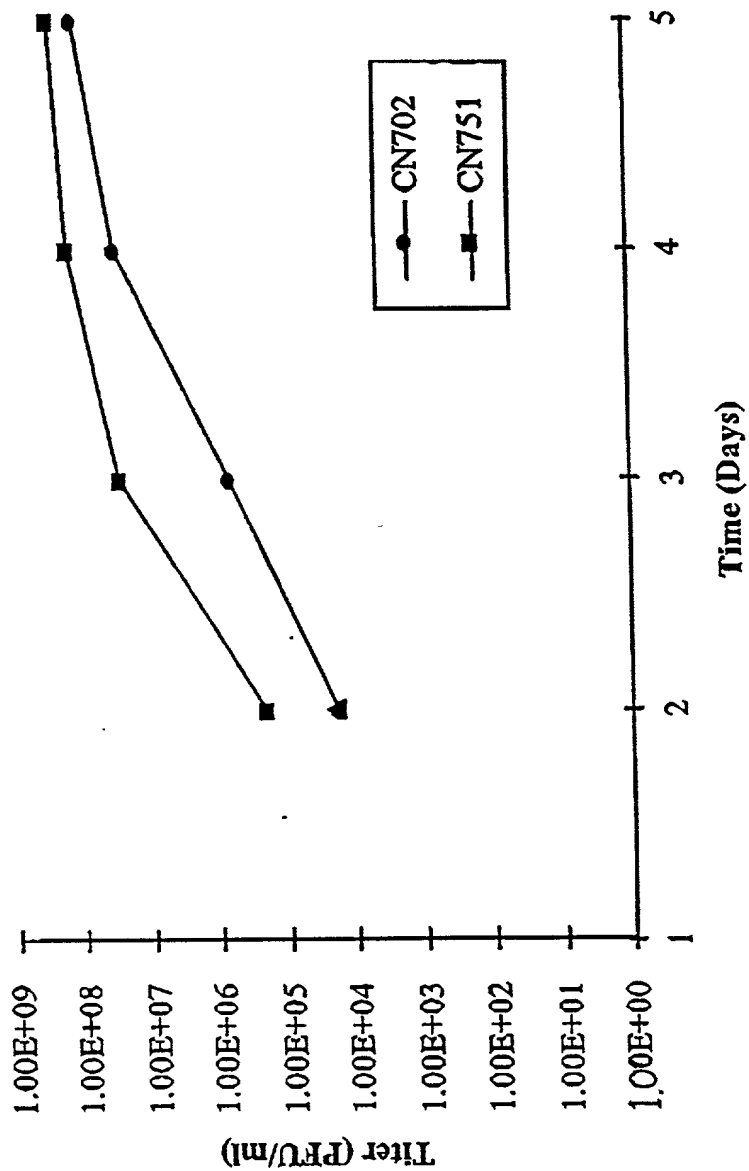


FIGURE 21

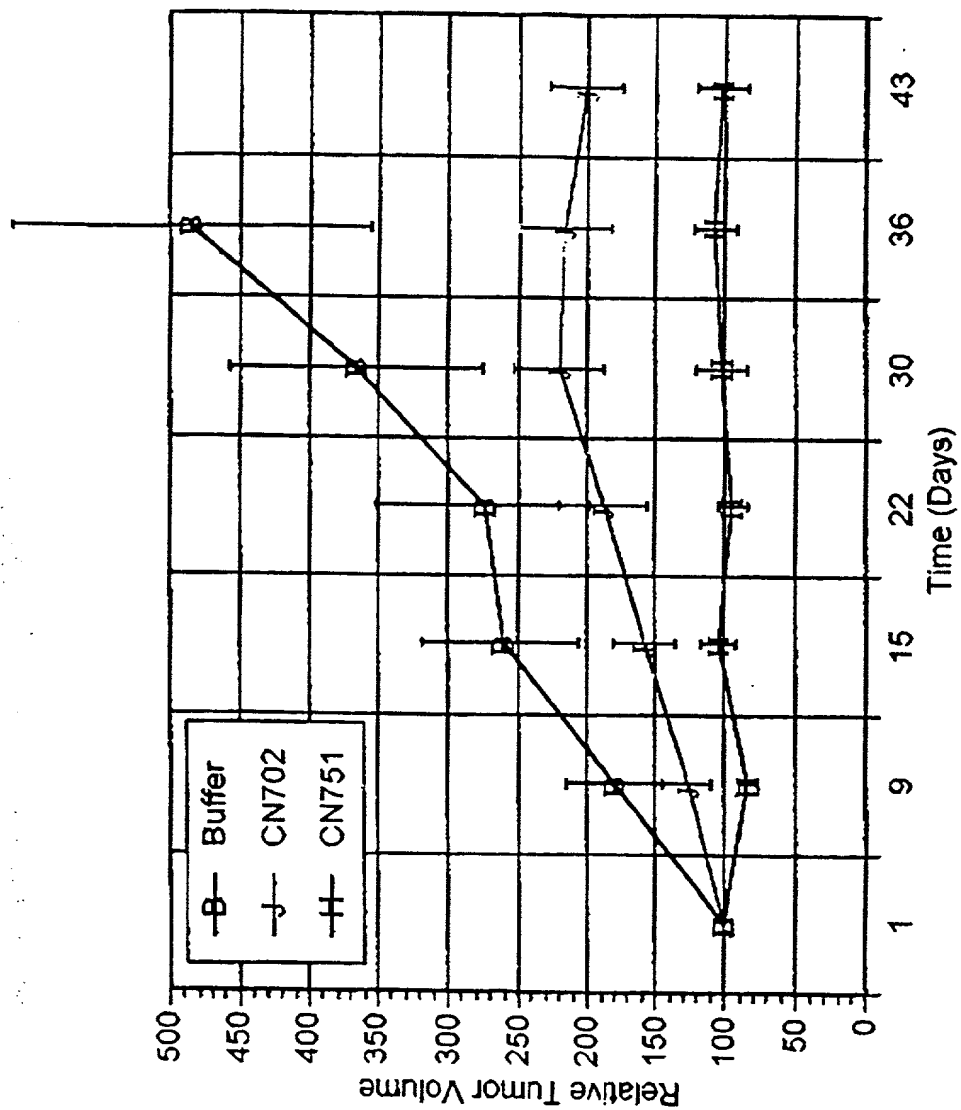


FIGURE 22

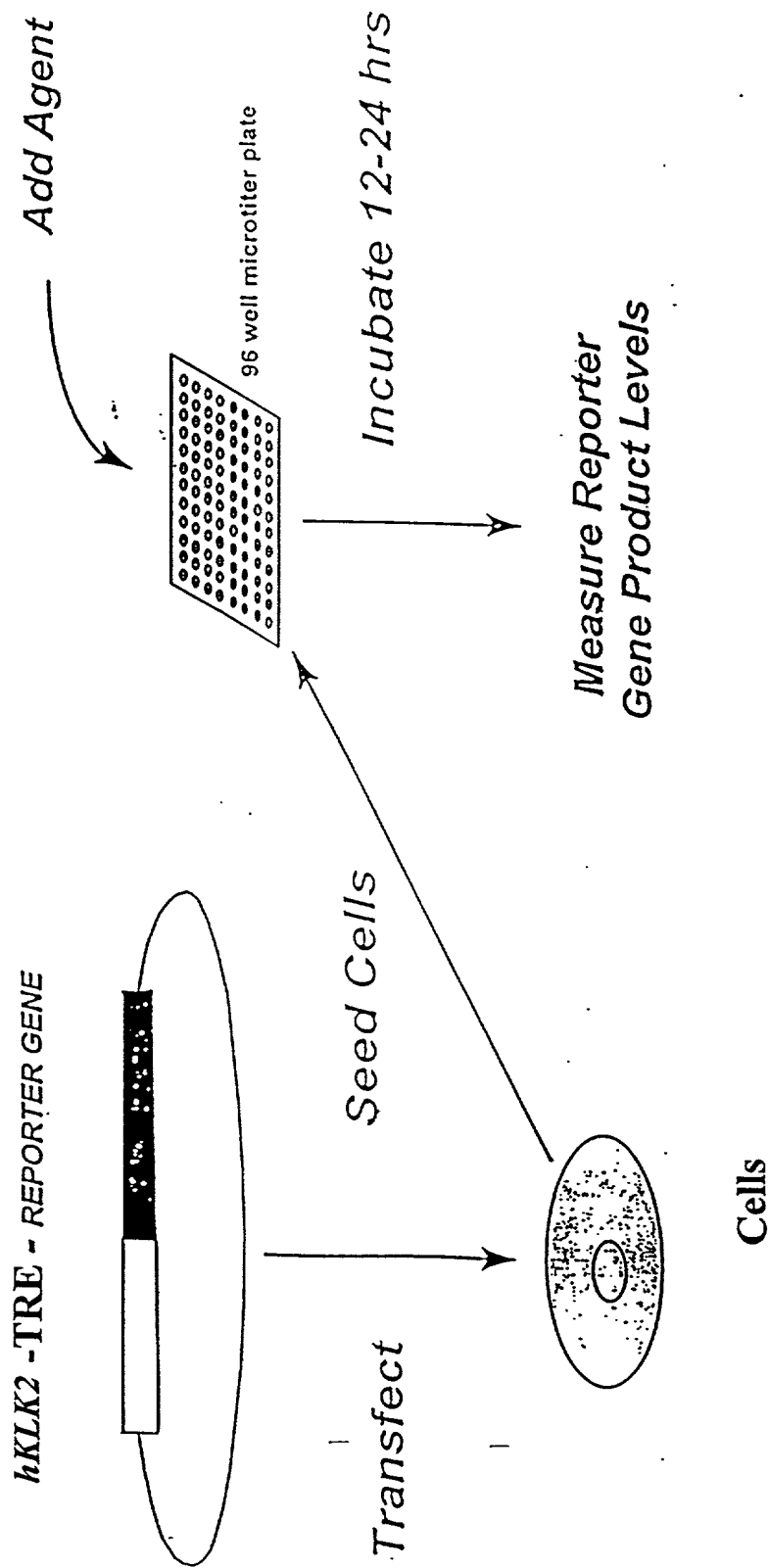


FIGURE 23A



Cells

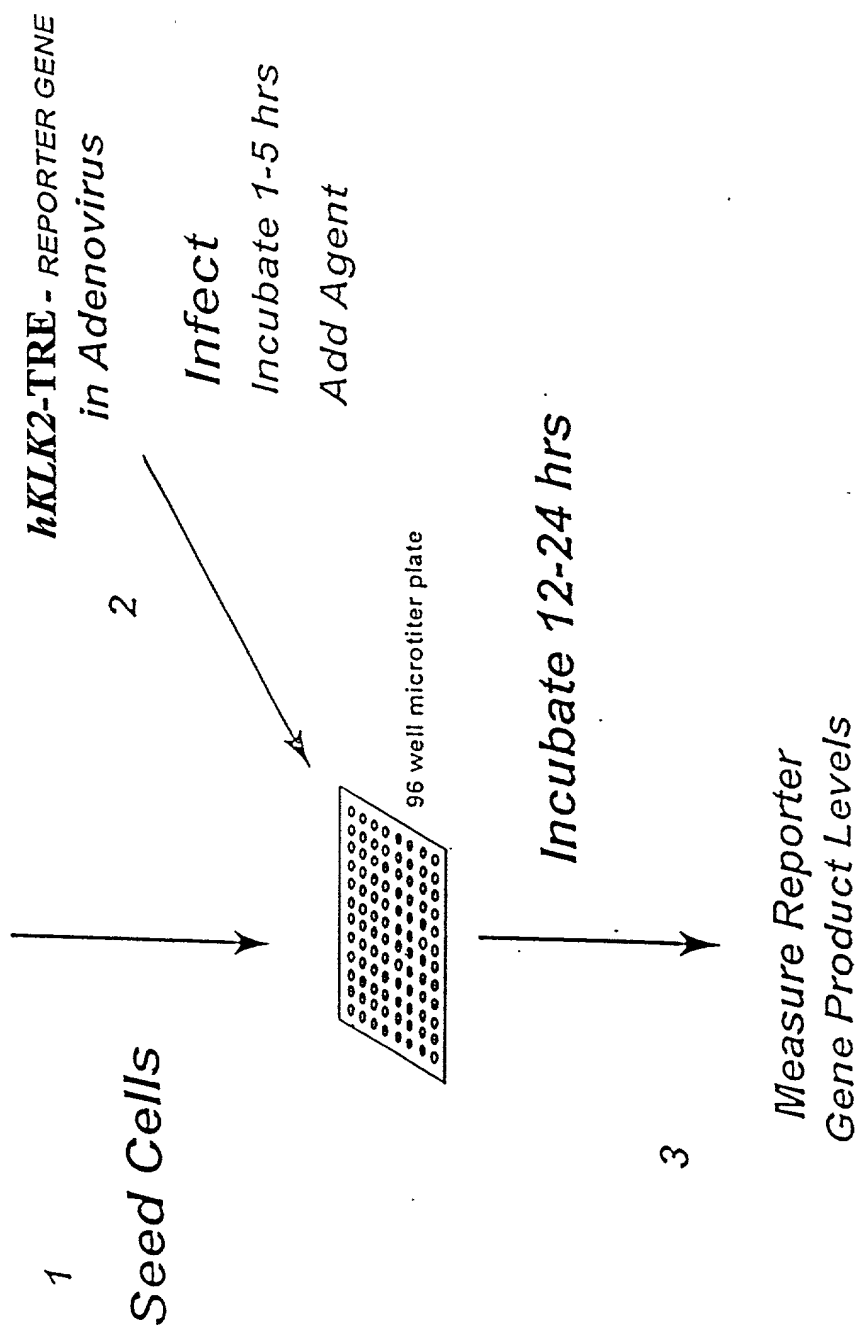


FIGURE 23B

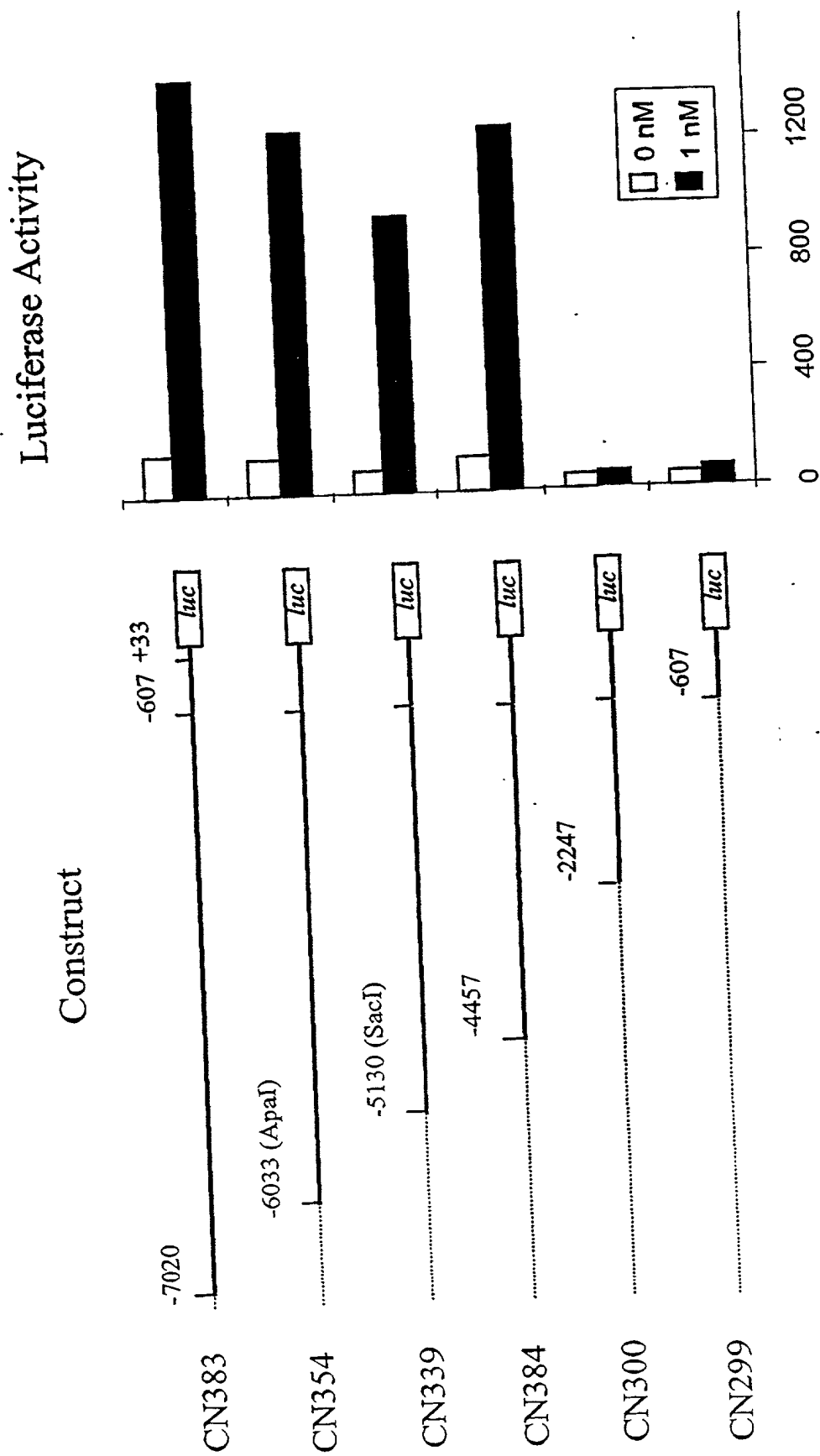


FIGURE 24A

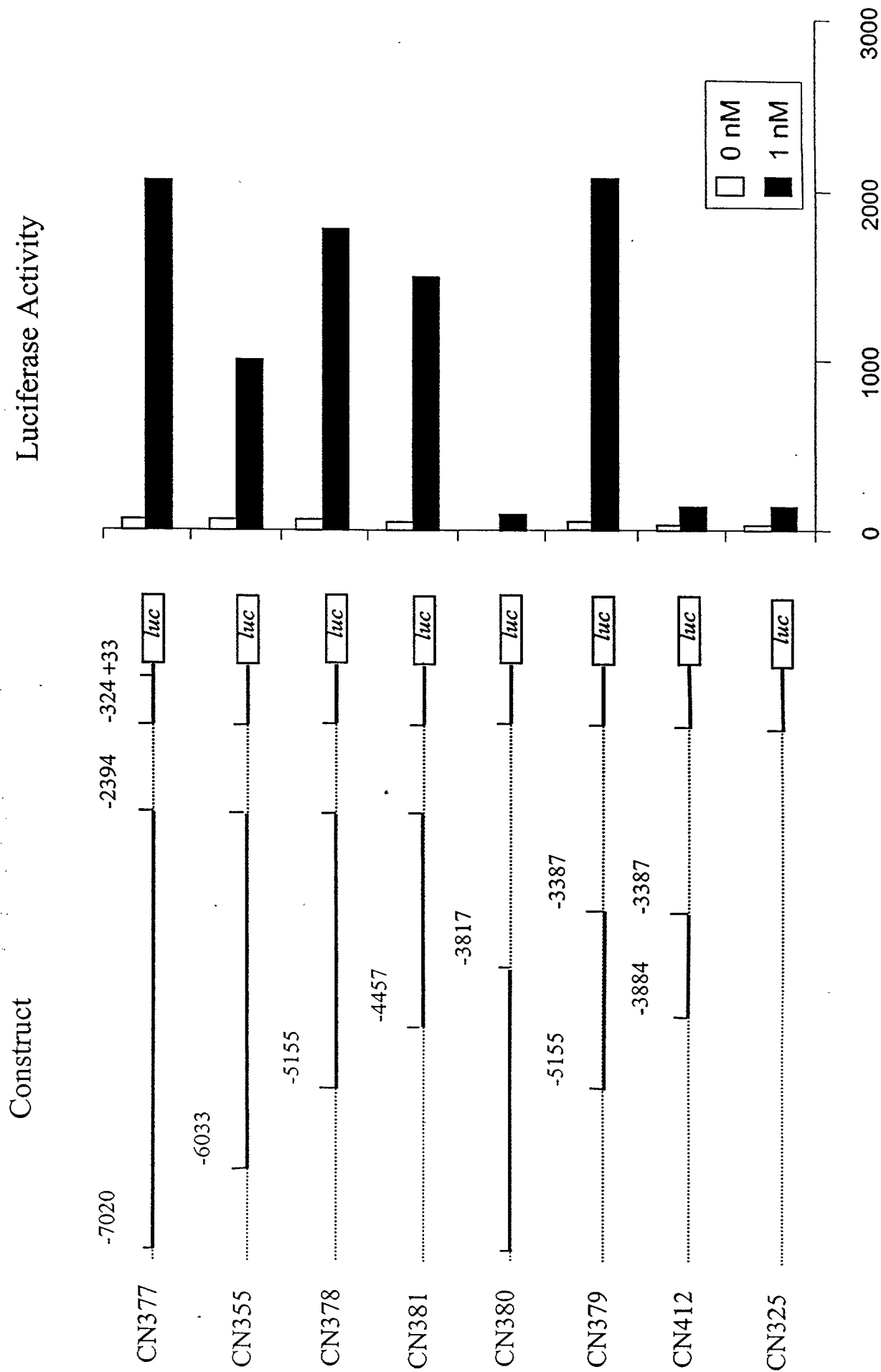


FIGURE 24B

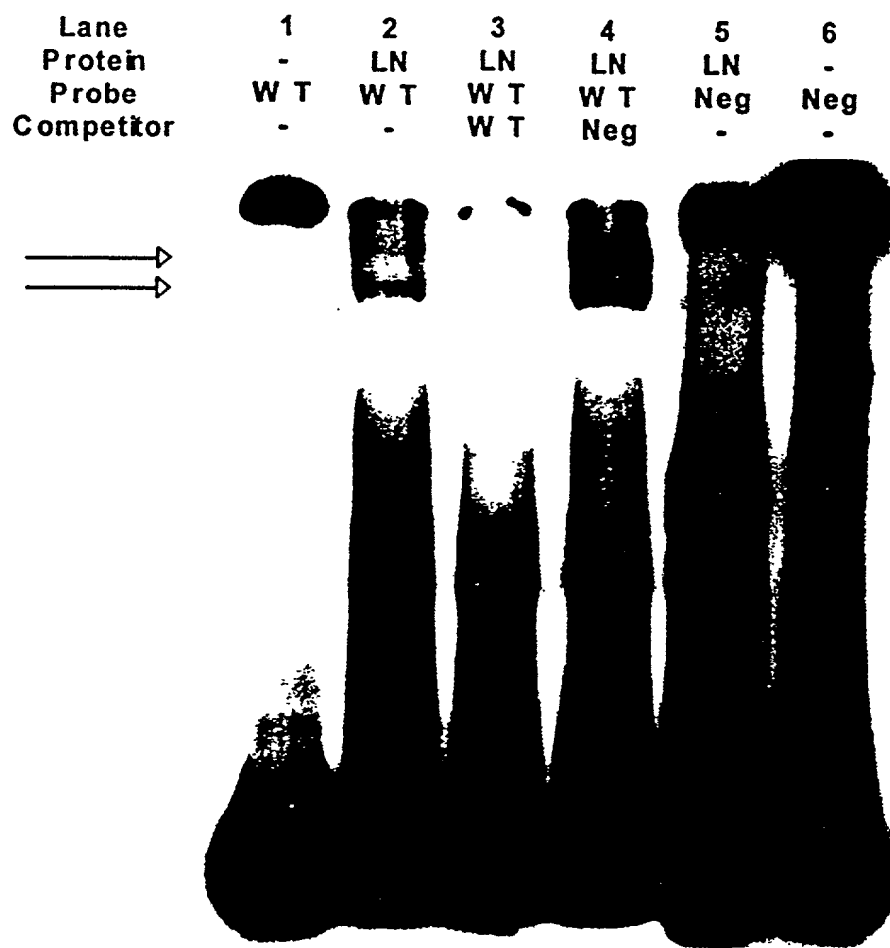


FIGURE 25A

Lane	1	2	3	4	5
Protein	-	LN	LN	He	He
Competitor	-	-	+	-	+

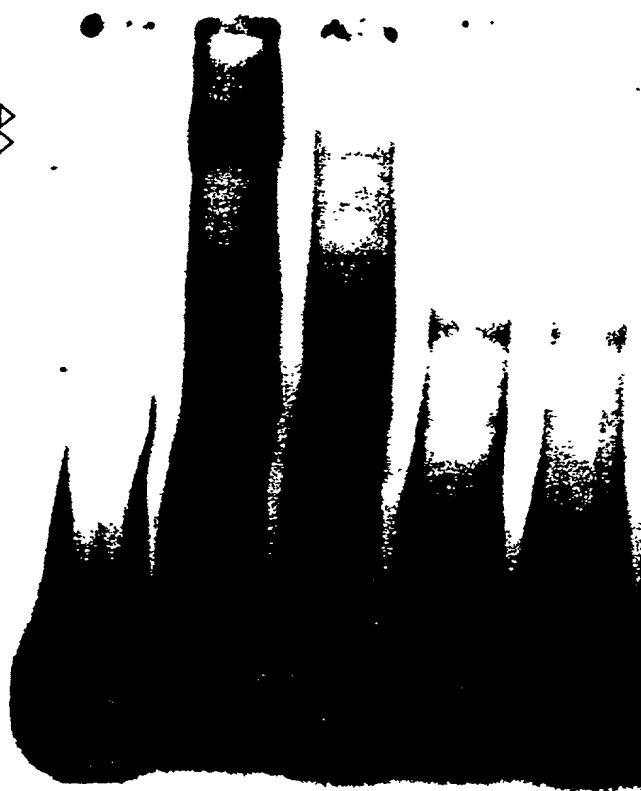
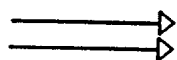


FIGURE 25B

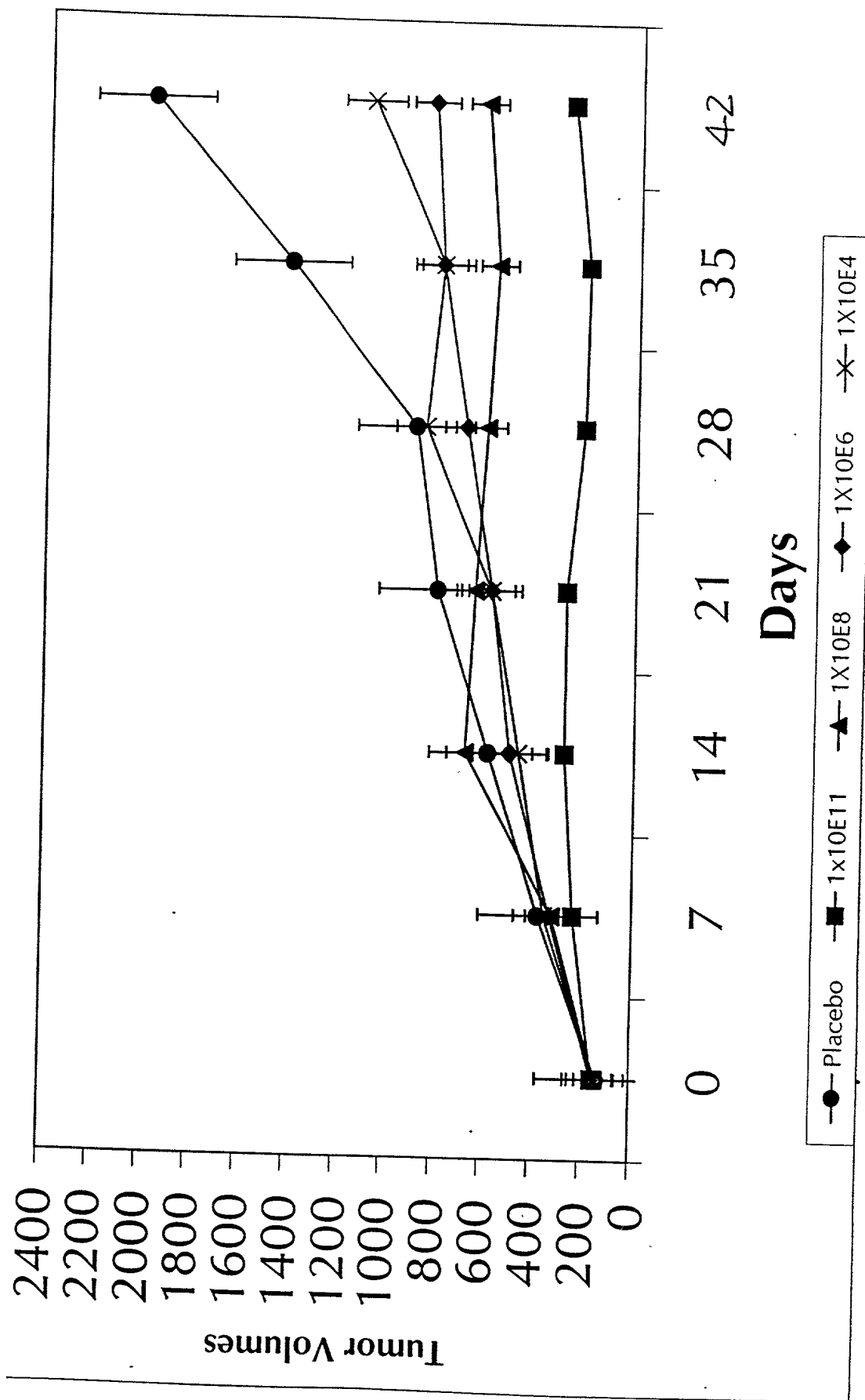


FIGURE 26